

1902

University of Vermont, College of Medicine Bulletin

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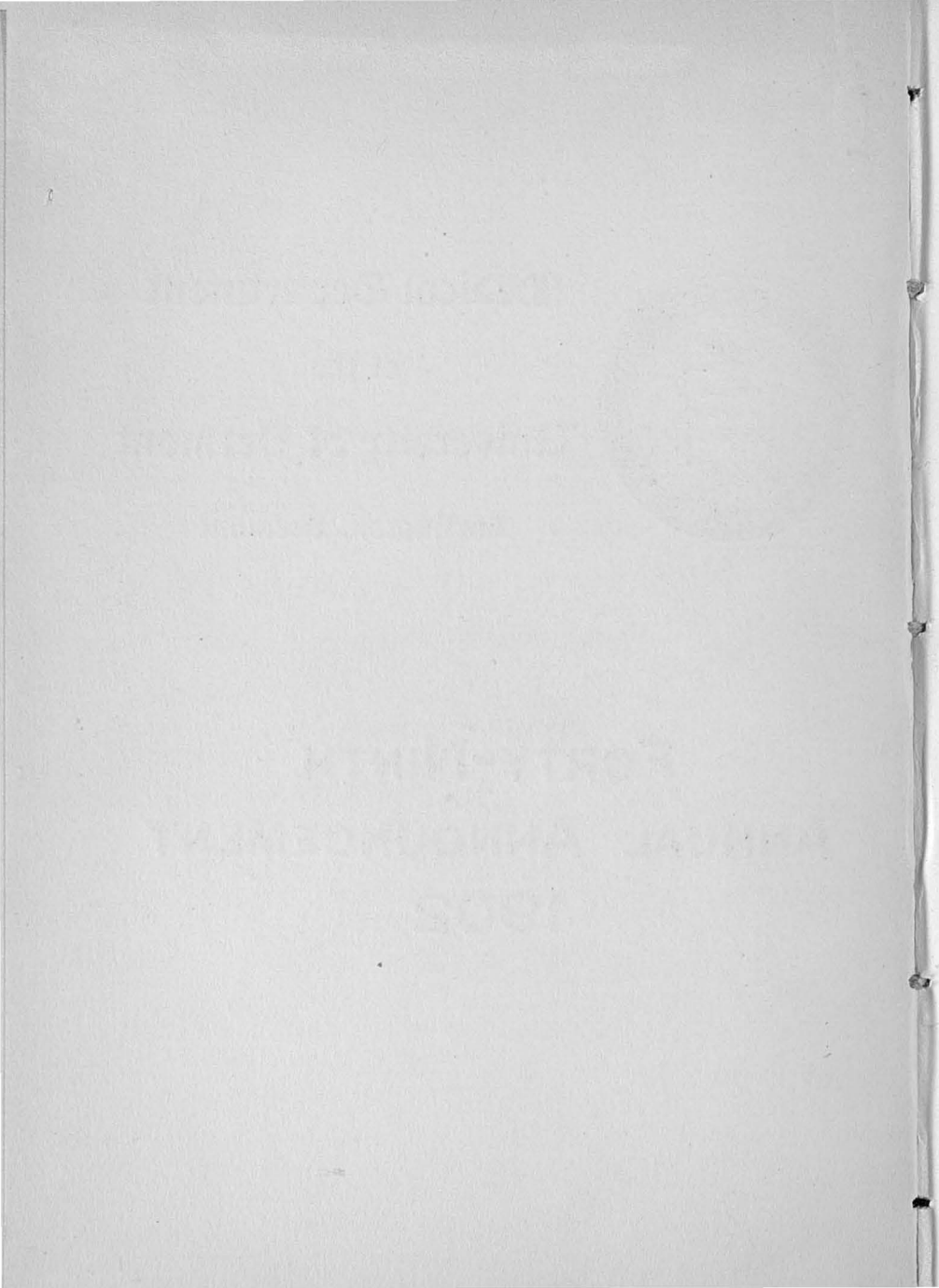
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Medical Department
of the
University of Vermont
Burlington, Vermont

**FORTY-NINTH
ANNUAL ANNOUNCEMENT
1902**



MEDICAL DEPARTMENT
OF THE
UNIVERSITY OF VERMONT,
BURLINGTON, VERMONT.

FORTY-NINTH
ANNUAL ANNOUNCEMENT.

1902.

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CALENDAR.

Opening Lecture.....	Thursday, January 2
Regular Exercises Begin.....	Monday, January 6
Legal Holiday.....	Saturday, February 22
Easter Vacation.....	March 28-31
Legal Holiday.....	Friday, May 30
Examinations Begin.....	Monday, June 16
Commencement.....	Wednesday, June 25

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DAVID MARVIN, M. D.,

Assistant Demonstrators of Anatomy.

General Statement.

The Medical Department of the University of Vermont is one of the oldest Medical Institutions in the United States. Anatomy and Surgery were taught by a Professor of those branches as early as 1809. Chemistry and Pharmacy, Botany and Materia Medica, and Physiology had professorships from 1821. In 1823 four men were graduated; in 1824, fifteen; in 1829, sixteen. From that point the number decreased till in 1836 there was only one graduate, and the department was suspended till 1854, when it was reorganized, and has since been in continuous operation.

In 1899, the Trustees of the University took entire control of the Medical Department and will hereafter administer it as an integral part of the University. They will become responsible to the State and to the public for the care and use of any funds or other gifts in aid of Medical education. They hope in this way to secure endowments for professorships, the means for the needed increase of buildings, and such additions from time to time to the apparatus and other facilities for instruction as will keep the department abreast with the most advanced Medical Institutions of the country.

The forty-ninth annual course of lectures will begin on Thursday, January 2d, 1902, and continue until June 25th.

The *four-year* system of graded study was adopted by this school some years ago, and this period of study is now an invariable requisite for graduation.

The college building, given to the University by the late John P. Howard, is situated on Pearl street, in the city of Burlington, on the north side of and immediately overlooking the College Park. The lecture room amphitheatre will seat three hundred and fifty students.

Within this building are laboratories for Practical Chemistry and Physiology, and the dissecting rooms for Practical Anatomy,—all of ample size, and supplied with modern conveniences and apparatus for chemical experiments and physiological and anatomical demonstrations.

The laboratories for practical work in Histology, Pathology and Bacteriology are in the old Medical College building on Main street near the south end of the College Park.

The College Museum (in the main building) contains an admirable collection of specimens and preparations—many of them rare—illustrating both normal and abnormal structures; it is always open to students.

The Mary Fletcher Hospital (see page 19) with its 80 beds and amphitheatre seating two hundred students, affords ample facilities for clinical instruction.

The aim of this department is to furnish the student with all the approved methods of obtaining a thoroughly practical as well as theoretical knowledge in every branch of medical work, so that, after graduation he may be fully equipped to begin the practice of his profession, and able to pass with credit the examinations of the State Boards of Medical Examiners, as well as the examinations for admission to the medical corps of the United States [Army, Navy, and Marine Hospital Service.

Requirements for Admission.

Applicants must matriculate within thirty days from the opening of the session. No applicant will be received after that date.

Entrance Examinations will be held in January, March and June, 1902.

Applicants will be required to pass an Entrance Examination in Arithmetic, Grammar, Geography, Orthography, American History, English Composition and Elementary Physics before they can be *regularly* enrolled in this Department; those who fail in one or more branches at these examinations, may be *conditionally* enrolled; they must make up the deficiency, however, during the first year, before they can be enrolled as students in regular standing.

EXCEPTIONS :—Such entrance examinations *will not be required* of applicants of the following classes :

1. Those who have received the Degree of A. B., A. M., B. S., M. S., Ph. B., or Ph. D., from a College or University which maintains a satisfactory Academic standard.
2. Those who have successfully completed a full year's course of study in any College or University which maintains a satisfactory Academic standard.

3. Those who have passed satisfactorily the entrance examination to the Literary or Scientific Department of the University of Vermont, or to any other College or University which maintains a satisfactory Academic standard.

4. Those who have passed an entrance examination to a Medical School having requirements for entrance equivalent to those adopted by this Faculty.

5. Those who have received a "Medical Student's Certificate" from the Regents of the State of New York, or from any similar constituted authority in other States.

6. Those who have received a Diploma or Certificate for any ten studies from the Regents of the State of New York, or from any similarly constituted authority in other States.

7. Those who have satisfactorily completed a three years' course in a High School, Normal School, or Academy.

Students from Other Colleges.

Students coming from other medical colleges must present evidence of having passed an entering examination equivalent to that demanded for entrance in this College, or otherwise comply with the requirements for entrance to the first year. (See page 9.)

Admission to the Second Year.

Students desiring to enter the second year must present evidence of having attended one regular term in an accredited medical college, and also certificates of attendance in laboratory courses in histology and chemistry corresponding in extent to those given in this college during the first year. In the absence of such certificates the student will be required to take during his second year the laboratory course or courses which he has not already taken. Evidence of dissection during one regular term is also required.

Admission to the Third Year.

Students desiring to enter the third year must present evidence of having attended two regular terms at some other accredited medical college or colleges, and must furnish certificates of attendance in laboratory courses in histology, chemistry and pathology corresponding in ex-

tent to those given in this college, and of dissection during two terms. In the absence of such certificates the student will be required to take during his third year such laboratory course, or courses, or dissection, as he has not already taken elsewhere.

Students entering the third year must pass satisfactory examinations in the subjects of anatomy, physiology, chemistry and materia medica, either at the beginning or at the close of the third year as they may elect.

Admission to the Fourth Year.

Students desiring to enter the fourth year must present evidence of having attended three complete courses of instruction in some accredited medical college or colleges.

They must also present certificates of having taken laboratory courses in chemistry, histology and pathology and in physical diagnosis, practical surgery and practical obstetrics.

They will be required to pass a satisfactory *final* examination in anatomy, physiology, chemistry, materia medica and pathology.

Course of Instruction.

FIRST YEAR.

During the first year the student receives instruction, both by recitations and didactic lectures, in Anatomy, Physiology, and Chemistry. Laboratory work in Chemistry and Histology, and Practical Anatomy by Dissection.

SECOND YEAR.

During the second year more advanced instruction is given, by recitations and lectures, in the same branches of Anatomy, Physiology and Chemistry, to which are added recitations in Materia Medica, Pharmacology, Surgery, Obstetrics, General Symptomatology and Physical Diagnosis. Laboratory work in Pathology and Urinary Analysis. Dissections continued.

THIRD YEAR.

Recitations and Lectures in Materia Medica and Therapeutics, Surgery, Practice, Pathology and Obstetrics, Recitations in Gynecology, Genito-Urinary Surgery and Diseases of the Nervous System. Practical

Courses in Physical Diagnosis, Minor Surgery and Bandaging, and Demonstrative Obstetrics upon the Manikin. Lectures on Toxicology. Laboratory work in Applied Pathology and Clinical Microscopy. Medical and Surgical Clinics at the Mary Fletcher Hospital.

FOURTH YEAR.

Advanced Instruction in Therapeutics, Surgery, Practice, and Obstetrics. Clinical instruction in medicine and surgery continued. Instruction by lectures and clinics in Otology, Ophthalmology, Laryngology, Neurology, Dermatology, Gynæcology, Pediatrics, Orthopedics, Mental Diseases, Genito-Urinary and Venereal Diseases, and Medical Jurisprudence.

Methods of Instruction in the Separate Branches of Study.

Obstetrics and Gynaecology.

PROF. A. F. A. KING.

ADJUNCT PROF. P. E. MCSWEENEY.

The instruction in Obstetrics and Gynaecology is as follows :

During the second year recitations on the Physiology of Obstetrics are held once a week.

During the third year recitations are held on the Pathology of Obstetrics, also on Gynaecology. Lectures on Obstetrics ; and demonstrative work upon the Manikin, in which the student will be taught Obstetric Operations, Abdominal Palpation, Pelvimetry, etc., under direction of a demonstrator.

During the fourth year lectures on advanced Obstetrics will be continued, with clinical instruction in Surgical Gynaecology.

Physiology.

PROF. J. HENRY JACKSON.

ADJUNCT PROF. LYMAN ALLEN.

INSTRUCTOR, FRED K. JACKSON.

Instruction in this branch will be given during the entire session by lectures and recitations to students of the first and second years.

Three lectures a week during the term will present the subject on a broad scientific basis to students of both classes. Illustrations will be made by the aid of charts, diagrams, microscopes and experimental demonstrations.

The more modern researches of the physiology of the nervous system, and their practical application to medicine and surgery, will receive special attention.

Physiological chemistry, minute anatomy and histology are taught to the extent necessary to comprehend the physiology of the organs and systems of the body. These subjects are aided by careful laboratory work.

First year students recite twice a week on the following subjects in their order: Blood, circulation, respiration, digestion, absorption, secretion, excretion, animal heat, and nutrition. They are also expected to attend all lectures on these subjects.

Second year men will also attend all lectures, have one recitation each week on topics covered by the lectures and be prepared for an occasional written recitation on the subjects studied during the course.

Descriptive and Surgical Anatomy.

PROF. H. C. TINKHAM.

ADJUNCT PROF. H. R. WATKINS.

INSTRUCTOR, C. H. BEECHER.

Anatomy is taught throughout the first and second years by lectures, recitations, demonstrations and dissections.

The work of the first year consists of one lecture and two recitations a week for the entire session, and embraces the study of the bones, joints and muscles. At the end of the first month the study of the bones will be advanced sufficiently to allow the beginning of dissections, and students will be assigned to work in the dissecting-room two hours daily.

We have a large collection of the bones of the human skeleton that are loaned to students to assist them in their study.

During the second year there will be two lectures and one recitation a week throughout the term. The work of the first year is reviewed and the study of the viscera, arteries, veins, lymphatics and nervous system is taken up. Dissections two hours daily will be assigned during the first part of the session.

There will be lectures on applied anatomy to the second and third year men.

Materia Medica and Therapeutics.

PROF. J. N. JENNE.

ADJUNCT PROF. JOHN GIBSON.

INSTRUCTOR, F. R. STODDARD.

The course of instruction in this branch will consist of recitations, demonstrations, didactic and clinical lectures, and section work in practical therapeutics and prescription-writing.

The subject will be taken up at the beginning of the second year, and will comprise the study of general definitions and the classification of remedies; a systematic study of mechanical and imponderable remedies, pharmaceutical preparations and processes, the doses and methods of administration, the circumstances modifying the effects of pharmacological remedies; weights and measures; and prescription-writing.

The work of this year will be wholly recitatorial and extend throughout the year.

The third year will include: 1st. Didactic lectures upon pharmacological remedies, treating of their titles, preparations and doses, and their physiological, therapeutical and toxicological effects.

2d. A recitation course covering the same ground as the didactic lecture course and in review of it.

3d. A clinical course, at the Mary Fletcher Hospital, where the student will have an opportunity of witnessing the practical application of remedies to the cure of disease.

The recitation and clinical lecture courses will continue throughout the year, and the examination at the end of the year will be final except upon the subject of therapeutics.

The fourth year's course of study will comprise a recitation, a didactic and a clinical course, to which will be added section work in practical therapeutics and practical prescription-writing.

The two former mentioned courses will be in review of the preceding year's work, but special attention will be given to more advanced therapeutics.

In the clinical course the class will be divided into small sections, and the relations between the individual student and the patient made to approximate, as closely as possible, the same as between physician and patient in the actual practice of medicine.

Principles and Practice of Surgery.

PROF. J. B. WHEELER.

ASSISTANT, LYMAN ALLEN.

Instruction in surgery is given by lectures, didactic and clinical, by operations performed before the class, by recitations, by practical demonstrations of the application and uses of splints, bandages and other surgical appliances and by operations on the cadaver.

The course is arranged as follows :

SECOND YEAR. *Principles of Surgery.* Two recitations a week throughout the year.

THIRD YEAR. *General and Regional Surgery.* One recitation, four didactic lectures and two clinics a week throughout the year. Practical instruction in bandaging and the use of surgical appliances.

FOURTH YEAR. *General and Regional Surgery* as in the third year. Operative Surgery on the cadaver. Clinics and lectures on Gynecology, Genito-urinary Surgery and Orthopedic Surgery.

Practical instruction in bandaging and the other technique of minor surgery is given to the class in sections. Students will themselves apply bandages and practice the different manipulations which are demonstrated to them.

Operations on the cadaver are performed by the students themselves, under the direction of the Professor of Surgery. This course includes amputations, excisions, ligation of arteries and operations on the head, thorax and abdomen.

The clinics are held in the amphitheatre of the Mary Fletcher Hospital. The ample supply of clinical material afforded by this institution enables the class to witness operations of every description.

Theory and Practice of Medicine.

PROF. ALOYSIUS O. J. KELLY,

ADJUNCT PROF. AND INSTRUCTOR, HARRIS R. WATKINS.

INSTRUCTOR IN NEUROLOGY, OLIFFORD A. PEASE.

INSTRUCTOR IN URINARY ANALYSIS AND CLINICAL MICROSCOPY,

BINGHAM H. STONE.

The instruction in this department has been thoroughly reorganized, considerably amplified, and made to conform to the modern requirements of the science and art of medicine. In the reorganization the endeavor has been so to arrange the course that the individual student may become thoroughly acquainted with the modern methods of investigating disease and with the varied manifestations of disease as met at the bedside. To this end the instruction is carried on throughout the second, third and fourth years of the course, and consists of recitations, quizzes, lectures, practical work at the bedside and in the clinical laboratory, and general medical clinics.

In the second year, by means of recitations, lectures, and practical work with the healthy subject, the student is thoroughly grounded in terminology and symptomatology, and in normal physical diagnosis. It is considered essential that the student should early acquire a knowledge of the terms used in medicine, as well as of the more common symptoms of disease. Emphasis is laid upon the importance of a complete knowledge of normal physical diagnosis before the study of morbid physical diagnosis is undertaken. The greater portion of the practical work in physical diagnosis, in the second year therefore, is devoted to the study of the methods of physical diagnosis and to the in-

vestigation of normal conditions ; by way of contrast, however, toward the end of the term, several common diseased conditions are presented for investigation. In this year also, in the chemical and in the clinical laboratory, especial attention is directed to the chemical and microscopic examination of the urine.

The instruction in the third year consists of recitations on the practice of medicine (including neurology), practical work in physical diagnosis, lectures on the practice of medicine, and general medical clinics. The practical work in physical diagnosis is conducted in sections, whereby the individual student is enabled to become proficient in the various methods of physical diagnosis, and is afforded an opportunity repeatedly to see and hear for himself the different physical manifestations of diseased processes, proficiency in the recognition of which comes only with practice. The lectures on the theory and practice of medicine are designed to be as practical as possible ; they are intended to thoroughly ground the student in the principles of physic which find their practical application in the general medical clinics. The general medical clinics, to which increasing importance is attached, have been increased in number. In addition to the foregoing two new courses have been instituted : the one a clinical demonstration course, the other a course in clinical microscopy. In the clinical demonstration course, which will be given by the adjunct professor, the student is instructed in the methods of investigating diseases at the bedside, in the manner of interpreting properly the manifestations of disease and their varying significance, in the principles of differential diagnosis, and in the indications for and the methods of applying clinical therapeutics. In the course in clinical microscopy the students, in sections, are instructed in the methods of examining the blood, sputum, gastric contents, secretions, excretions, etc.

The instruction in the fourth year consists in recitations on selected subjects in the practice of medicine, lectures on the practice of medicine, the aforementioned clinical demonstration course, and general medical clinics. The work for the fourth year men is designed to be as practical as possible. In the clinical demonstration course as well as in the general medical clinics the students, in turn, are required to examine the patients before the class, to make their own diagnoses and to defend them, and to suggest treatment. As occasion presents itself they are also required to examine the blood, sputum, urine, etc., of the

patients. In a word the student is repeatedly instructed in the general conduct of medical cases such as he will encounter in his future medical practice.

Chemistry.

PROF. HORACE L. WHITE.

INSTRUCTOR, J. A. ARCHAMBAULT.

The instruction in this department during the first year will be by recitations, lectures and laboratory work, covering the principles of chemistry, mineral chemistry, qualitative analysis and uranalysis. The object of the instruction during this year will be to establish a firm groundwork for the rational study of the more advanced subjects taught later in the course, and to impart familiarity with the technique of chemical operations in the laboratory.

The teaching in the second year will be by lectures upon organic chemistry, including the application of that science to Physiology, Pathology and Therapeutics, upon the chemical branches of Hygiene and upon Toxicology, both medical and forensic.

Pathology.

PROF. OTTO H. SCHULTZE.

INSTRUCTOR, F. E. CLARK.

FIRST YEAR. Laboratory Course in Normal Histology, four hours weekly during one-half of the session. The student retains the sections which he has prepared for future study and reference.

Laboratory Course in Bacteriology, devoted to the methods of Bacteriologic investigation, and the demonstration of the more common pathogenic micro-organisms.

SECOND YEAR. Laboratory Course in Pathologic Histology, four hours weekly, during one-half of the session. The sections are prepared and retained by the student.

THIRD YEAR. Demonstrations in Gross Pathologic Anatomy, two hours weekly throughout the session.

THIRD AND FOURTH YEARS. Lecture Course on General and Special Pathology, thirty hours during the session, illustrated by specimens and projections on the screen of photomicrographs.

Laboratory demonstrations will be supplemented by recitations from selected text-books.

Toxicology.

PROF. R. A. WITTHAUS.

Instruction in this department of Chemistry will be given to third-year students and will consist of lectures and demonstrations, special consideration being given to the medical and medico-legal bearing of the subject.

Diseases of the Nervous System.

PROF. E. W. TAYLOR.

INSTRUCTOR, C. A. PEASE.

During the third year there will be weekly recitations from a text book throughout the session.

In the fourth year a course of didactic and clinical lectures will be given.

Surgical Diseases of Women.

PROF. A. LAPHORN SMITH.

A course of didactic and clinical lectures will be given in this department of surgery during the fourth year.

The didactic lectures are fully illustrated by charts and drawings and all the important operations are done in the clinics.

Genito-Urinary and Venereal Diseases.

A course of lectures both didactic and clinical will be given on Genito-Urinary Surgery and Venereal Diseases during the fourth year. These courses are clinical so far as possible.

Diseases of the Eye, Ear and Throat.

PROF. MARSHALL C. TWITCHELL.

Clinical lectures on Diseases of the Eye, Ear and Throat will be given twice a week during March and April, to students of the fourth year.

During this course the student will be able to study a large variety of diseases of the eye and ear, and to witness most of the important operations in this department of surgery.

Mental Diseases.

PROF. WALTER D. BERRY.

A course of lectures founded on the Kraepelin teachings will be given and clinical cases representative of the various types of mental diseases will be exhibited at each lecture. An effort will be made to make the course thoroughly practical as well as theoretical, and finish the course of instruction with a clinic at the State Hospital for the Insane.

Diseases of Children.

A course of didactic and clinical lectures on this important branch of medicine will be given during the fourth year.

Dermatology.

PROF. ELLICE ALGER.

The study of skin diseases will be, as far as possible, clinical demonstrations of diagnosis, prognosis and treatment, in addition to the regular course of instruction given in the more systematic didactic lectures of Prof. Alger.

Orthopedic Surgery.

PROF. A. R. SHANDS.

The course of instruction in this department of Surgery will be given by Prof. Shands, of Washington, D. C., and will consist of lectures and clinics. The class will be instructed in the principles of Orthopedics, and careful demonstrations will be given of the treatment, mechanical and operative, of diseases and deformities of the bones and joints.

Medical Jurisprudence.

J. E. CUSHMAN, Esq.

This course of lectures, designed to instruct only in such matters as are essential to the *medical* practitioner, will treat of the right to practice medicine and surgery; the right to compensation; the degree of

skill the practitioner must possess ; his amenability to the criminal law ; the return of births, deaths and contagious diseases ; confidential communications from patients ; medico-legal autopsies and reports thereon ; whether death is the result of natural or violent causes ; identification of mutilated remains ; the right to certain dead bodies for anatomical purposes ; medical and expert testimony ; insanity, mental capacity, and judicial toxicological investigations.

Clinical Advantages.

The Mary Fletcher Hospital was opened in 1876 for the treatment of patients. Additions and improvements have been made from year to year, until now it is unrivalled in its appointments for the care of medical and surgical cases.

The Hospital consists of a large administrative building, with many rooms for private patients, and two ample pavilion wards. In a separate building connected with the wards and administrative building by a corridor, is a large amphitheatre, capable of seating two hundred persons. There are also an anæsthetizing and a recovery room opening into the amphitheatre. Rooms for out-patients are also attached to the building. In fact, every arrangement for clinical instruction is provided.

In the amphitheatre, medical and surgical clinics will be held during the entire session.

The following are members of the Medical and Surgical Board of the Mary Fletcher Hospital, who are connected with the Medical College :

Attending Surgeon : PROF. JOHN B. WHEELER.

Attending Surgeon : PROF. H. C. TINKHAM.

Attending Physician : DR. P. E. MCSWEENEY.

Attending Physician : DR. H. R. WATKINS.

Ophthalmic Surgeon : PROF. M. C. TWITCHELL.

College Clinics.

Patients presenting themselves at these Clinics for advice and treatment are examined, the peculiarities of each case are explained, the appropriate treatment is prescribed, and the requisite surgical operations are performed before the class.

There will be two Medical and two Surgical Clinics each week throughout the year. The medical clinics will be conducted by Profs. Kelly, Jenne and Watkins. The surgical clinics will be conducted by Profs. Wheeler and Tinkham.

Additional clinics, by special professors, (for the dates of which see schedule cards) will be given as follows :

On Diseases of the Eye, Ear and Throat, Prof. Twitchell.

On Genito Urinary Surgery, Prof. ———

On Venereal Diseases, by Prof. ———

On Diseases of the Skin, by Prof. Alger.

On Diseases of Women, by Prof. A. Laphorn Smith.

On Diseases of the Nervous System, by Prof. Taylor.

On Mental Diseases, by Prof. Berry.

On Pediatrics, by Prof. ———

On Orthopedics, by Prof. Shands.

Requirements for Advancement in Course.

Attendance upon all the exercises of each year is obligatory, and unexcused absences will count as failures in computing the standing of students.

The work of each year is considered final of itself, and students are advanced from one year to the next upon evidence, obtained by examination and class rating, that the work of the lower grade has been satisfactorily performed.

Students of the *first* year are passed to the second when their work in the recitations, dissections, and laboratory exercises of the first year has been satisfactory, and when they have passed satisfactory examinations on the work of the first year in anatomy, physiology, histology and chemistry.

Second year students are advanced to the third year when their work in the recitations, laboratory and dissection exercises of the second year has been satisfactory and when they have passed satisfactory examinations in anatomy, physiology, chemistry, laboratory pathology, materia medica, surgery, practice of medicine and obstetrics.

The examinations in anatomy, physiology, chemistry and laboratory pathology are final.

Third year students are advanced to the fourth year when they have satisfactorily completed the recitations, laboratory work and prac-

tical courses required for the third year; and when they have passed satisfactory examinations on the work of the year in surgery, practice of medicine, obstetrics, materia medica, therapeutics, pathology and toxicology.

Students who have failed to fulfill the requirements for passage from one grade to the next above in not more than two branches in the first year or in more than three branches in the second and third years, will be advanced conditionally. If the failure has been in laboratory or dissection work, the work must be repeated satisfactorily during the following session. In other departments the condition may be removed at an examination which will be held for that purpose during the first month of the session. Students failing to remove conditions at this re-examination will be required to repeat the work in which they have failed, and will be again examined at the close of the session.

Students who fail in more than two branches of the work in the first year or in more than three branches in the second or third year will be required to repeat the work of the year in which they have failed.

Students who fail to take any examination at the close of any year will be classed as having taken the examination and failed to pass it, unless they shall have been excused from such examination by the Faculty.

Requirements for Graduation.

Four full courses of lectures, the last at this college, will be required of all students.

No candidate indebted to the college will be admitted to an examination.

Candidates for the Degree of Doctor of Medicine must have attained the age of twenty-one years, and must present certificates of the time of study, of age and of moral character. Each candidate is required to deposit his examination fee with the Secretary of the Faculty one month before the close of the session.

He must present evidence of having satisfactorily completed the work of the first three years as defined on page 22 and must also pass satisfactory written or oral examinations in Therapeutics, Practice of Medicine, Surgery and Obstetrics.

He must be present at Commencement unless excused by the Faculty.

Certificates of having passed in any branch or branches in other colleges will not be accepted by this college.

The tickets and diplomas of Eclectic, Homœopathic, or Botanic colleges will not be recognized.

Graduates of other regular Medical Colleges who desire a degree from this University must pass a satisfactory examination in Anatomy, Physiology, Chemistry, Materia Medica and Therapeutics, Practice of Medicine, Surgery, Obstetrics and Pathology.

No credit in time or in lectures shall be given any student by virtue of his degree in Pharmacy or Veterinary Surgery.

Degrees *in absentia* are not conferred by this University.

The Faculty reserve the right to terminate the relation of any student with the Medical Department, at any time, on adequate evidence of immoral character, want of principle, or intellectual unfitness for the medical profession.

Faculty Prizes.

The Faculty have established two Prizes for general proficiency in examination—a First Prize of Fifty Dollars and a Second Prize of Twenty-five Dollars. The prizes will be awarded as follows :

The ten students who pass the best examination for their degree will be allowed to compete in a written examination for the prizes ; of this number, the five who rank highest shall be called Honor Men, and will each receive a *Special Diploma of Honor*, and of these last, those who attain the first and second rank shall receive respectively the first and second prizes.

The Honor Men for 1901 were :

Joseph Antoine Archambault,	Clifford Parker Holt,
John William Hobbs Pollard,	Watson Lovell Wasson,
John Lawrence Welsh.	

First Prize was awarded to Watson Lovell Wasson. Second Prize, Joseph Antoine Archambault.

Full Fees of the College.

Matriculation Fee, payable each term.....	\$ 5 00
Full Course of Lectures, each year, if paid within thirty days...	110 00
Single Tickets for those who wish to take one or more subjects and not the whole course.....	20 00
Fee for graduation, payable once and not returnable.....	25 00

Graduates of other regular Medical Schools are admitted on payment of the matriculation fee and \$25.00.

Graduates of this school are admitted without fee.

Theological students are admitted on payment of the matriculation fee only, unless intending to graduate in medicine, in which case they will be required to conform to the above conditions.

Students will be required to deposit with the Treasurer \$5.00, from which will be deducted the value of any bones taken from the museum which are not returned, and any charge for breakage in the laboratories. The remainder of such deposit, or the whole, if there be no charge against it, will be returned to the student at the close of the term.

If the fee for the session is paid during the first thirty days it will be \$110.

One half the fee, \$55, must be paid within thirty days and the remainder within ninety days from the opening of the session.

If the full fee for the session is not paid within thirty days from the opening of the session it will be \$115.

Students whose fees are in arrears will not receive credit for attendance or class work.

For further particulars address the Secretary,

B. J. ANDREWS, M. D.,

Mary Fletcher Hospital,

BURLINGTON, VT.

Board.

Board may be obtained for from \$3.50 to \$5.00 per week. Good accommodations can be found for students who wish to board themselves. Many adopt this method at a great reduction in expense. Students who intend to board themselves will find such bedding and culinary articles as they may require, furnished with the rooms.

After registering, every student is furnished with a certificate entitling him to reduced rates on railroad and steamboat lines running into Burlington.

Text Books and Books of Reference.

On Anatomy.—Morris, Gray, Gerrish, Holden's Manual, Haynes' Manual, Weisse's Practical Anatomy.

On Physiology.—First year, Stewart's Manual ; second year, Howell's American Text-book.

On Chemistry.—Witthaus's Manual, 4th edition; Witthaus's Laboratory Guide, 4th edition.

On Theory and Practice.—Tyson or Osler, Anders, Lockwood's Manual, Musser's Medical Diagnosis, DaCosta's Diagnosis, Simon's Clinical Diagnosis.

Physical Diagnosis.—Tyson's Physical Diagnosis.

On Obstetrics.—Playfair, Parvin, Lusk-King's Manual, Grandin & Jarman's Works, the American Text-book.

On Diseases of Women.—Garrigues, Thomas and Mundé, Byford's Manual.

On Materia Medica.—Biddle, Shoemaker, Butler, White, United States Pharmacopea.

Therapeutics.—Hare's system, (3 vols.), Hare, (1 vol.), National Dispensary.

Prescription Writing.—Thornton.

On Surgery.—Principles.—Nancrede, Senn, Warren.

General and Regional Surgery.—American Text-book, Wharton and Curtis, International Text-book.

Operative Surgery.—Bryant, Stimson.

Minor Surgery and Bandaging.—Wharton.

Fractures and Dislocations.—Scudder, Stimson.

On Diseases of the Urinary Organs.—Fuller.—Disorders of the Male Sexual Organs, Fuller.

Venereal Diseases.—Sturges and Cabot.

On Diseases of the Eye.—De Schweinitz—Fuchs.

On Diseases of the Ear.—Manual or Otology—Bacon.

On Diseases of the Nose and Throat.—Coapley—Kyle.

On Medical Jurisprudence.—Witthaus & Becker, Taylor, Ordronaux, Reese and Chapman.

On Diseases of Children.—Rotch, Smith, American Text-book of Diseases of Children.

On Diseases of the Skin.—Jackson, Hyde, Crocker, Duhring.

On Diseases of the Nervous System.—Hammond, Dana, Gray, Mills, Gowers.

Dictionary of Medicine.—Duane, Keating, Dunglison, Gould, Dorland's.

Bacteriology.—Abbott, Sternberg, McFarland.

Histology.—Piersol, Klein, Schaffer, Stöhr.

Hygiene.—Rohe.

Pathology.—Stengel, Delafield & Prudden, Green, Ziegler, Woodhead.

Chemical Microscopy.—Von Jaksch (Clinical Diagnosis), Simon Clinical Diagnosis, Cabot Clinical Examination of the Blood, Peyer's Atlas of Clinical Microscopy.

Graduates, 1901.

Francis Joseph Arnold	Burlington, Vt.
John Antoine Archambault	Enosburgh Falls, Vt.
Henry House Beers	Bridgeport, Conn.
William Alvah Brady	Patterson, N. J.
Clifford Parker Holt	Barre, Vt.
Henry Abner Ladd	Burlington, Vt.
William Johnathan Lein	Orange, N. J.
Leo Alexander Newcomb	Waterbury Center, Vt.
John William Hobbs Pollard	Haverhill, Mass.
Dennis Miner Shea	Nashua, N. H.
Samuel Schiffman	New York City, N. Y.
Frank Lincoln Tozier, A. B.	Fairfield Center, Me.
Watson Lovell Wasson	Burlington, Vt.
John Lawrence Welsh	Penacook, N. H.
Isaac Henry Wight	Milan, N. H.

Fourth Year Class.

Francis Joseph Arnold	Burlington, Vt.
John Antoine Archambault	Enosburgh Falls, Vt.
Henry House Beers	Bridgeport, Conn.
William Alvah Brady	Patterson, N. J.
Marcus Allen Brendel	Hamburg, N. Y.

Harry Carter.....	South Manchester, Conn.
Thomas Benton Dearborne.....	Milford, N. H.
Clifford Parker Holt.....	Barre, Vt.
Henry Abner Ladd.....	Burlington, Vt.
William Johnathan Lein.....	Orange, N. J.
Leon Elden Libby.....	Bridgeton, Me.
Martin Gould Marden.....	Philadelphia, Pa.
Leo Alexander Newcomb.....	Waterbury Center, Vt.
John William Hobbs Pollard.....	Haverhill, Mass.
Dennis Miner Shea.....	Nashua, N. H.
Samuel Schiffman.....	New York City, N. Y.
William Moller Schroeder.....	New York City, N. Y.
Frank Lincoln Tozier.....	Fairfield Center, Me.
Vance William Waterman.....	Burlington, Vt.
Watson Lovell Wasson.....	Burlington, Vt.
John Lawrence Welsh.....	Penacook, N. H.
Isaac Henry Wight.....	Milan, N. H.

Third Year Class.

Henry Tierney Bray.....	Hartford, Conn.
Sidney Raymond Carsley.....	New Portland, Me.
Aubrey Brendon Call, A. M.....	Peterboro, N. H.
Sheldon Samuel Stratton Campbell.....	Brockton, Mass.
Jaynes Mott Crumb.....	South Otselic, N. Y.
Jesse Judson Dearborne.....	Milford, N. H.
Hugh Francis Dolan.....	Bangor, Me.
Frank Floyd Finney, Ph. B.....	Hinesburgh, Vt.
John Edward Fitzgerald.....	Burlington, Vt.
Otto Vernon Greene.....	Bethel, Vt.
David Harris Gatchell.....	Old Town, Me.
Henry Wade Hopkins.....	Essex Junction, Vt.
Roland John Harvey.....	East Burke, Vt.
Charles Sylvanus Harris.....	Keene, N. H.
Perly Harriman.....	Burlington, Vt.
Edward Allen Heath.....	Burlington, Vt.
Oscar Varnum Hefflon.....	Franklin, Vt.
Nebuther Holden.....	Boston, Mass.
Raymond Child Jones.....	Woodsville, N. H.
Willard Wallace LeMaire.....	Taunton, Mass.

Frank Clark Lewis.....	Burlington, Vt.
John Patrick Lenahan.....	Hudson, N. H.
Lawrie Byron Morrison.....	Ryegate, Vt.
Roland Earle Preston.....	Burlington, Vt.
George Harvey Parmenter.....	Montpelier, Vt.
Charles Winfield Phillips.....	Arlington, Vt.
Bert Leon Richardson.....	Gorham, N. H.
Ernest Elliot Sparks.....	Williamsville, Vt.
Wallace Henry Tarbell, B. L.....	Kansas City, Mo.
George Southwick Thompson.....	West Medway, Mass.
Thomas Walsh, Jr.....	Middletown, Conn.
Robert Moore Wells.....	Barton, Vt.

Second Year Class.

Frank Cook Abbott.....	Pittston, Pa.
Charles Gordon Abell.....	Enosburgh Falls, Vt.
Edgar Eugene Barker.....	Portland, Me.
William Henry Black.....	Burlington, Vt.
David Russell Brown.....	Wentworth, N. H.
Emerson Marrs Bushnell.....	Williston, Vt.
Benjamin Joseph Butler.....	Crompton, R. I.
Linn Henry Corey.....	Woodstock, Vt.
Henry Leo Crahan.....	Chittenden, Vt.
Harold Abbott Danforth.....	Peabody, Mass.
Charles Francis Dalton.....	Springfield, Mass.
Frank Harvey Dunbar.....	Swanton, Vt.
Thomas Edward Duffee.....	Lowell, Mass.
Albert Clinton Eastman.....	Barnard, Vt.
George Crofton Enright.....	Burlington, Vt.
William Francis Hamilton.....	Miller's Falls, Mass.
Dennis Bartholomew Healy.....	Wheelwright, Mass.
Chauncey Earl Hunt.....	Montpelier, Vt.
Raymond Alexander Kinloch.....	Troy, N. Y.
Mathew Taylor Mayes, D. O.....	78 Grove St., Rutland, Vt.
Howard Fellows Morse.....	Center Harbor, N. H.
Roy Hamilton Peck.....	Burlington, Vt.
Harry Bradford Perkins.....	Bakersfield, Vt.
Louis Thomas Perkins.....	Mechanicsville, N. Y.
Frank Preston.....	Burlington, Vt.

Joseph Warren Richardson	Barre, Mass.
Charles Edward Robson	Boston, Mass.
Samuel Dudley Rumrill	Springfield, Mass.
Frank Elijah Spear	Charlotte, Vt.
Henry Elijah Somers	Irasburg, Vt.
Samuel Jerome Scadron	New York City, N. Y.
Percy Charles Waller Templeton	Irasburg, N. Y.
Fenwick Gordon Taggart	Burlington, Vt.
John Edward Vallee	Island Pond, Vt.
Norman Brown Webber, B. S.	Manchester, N. H.
Chauncey Warner Willey	Cambridge, Vt.
Charles Flagg Whitney, B. S.	Williston, Vt.

First Year Class.

Landon Abernathy	Bristol, Vt.
Harry Nelson Archibald	Troy, N. Y.
Ernest Eston Bicknell	Johnson, Vt.
Henry Raymond Biggar	Norwich Corners, N. Y.
Herman David Bone, A. B.	Wells River, Vt.
Robinson Bosworth	Andover, N. H.
Thomas Stephen Brown	Deerfield, N. H.
Curtis Charles Alfred Bullock	Roxton Pond, P. Q.
Charles Stephen Buchannon	Troy, N. Y.
Edward James Burke	Burlington, Vt.
Gersham Loveland Closson, Jr.	Springfield, Vt.
Alden Vernon Cooper	Lewiston, Me.
Lewis Clinton Day	Nicholville, N. Y.
Julius Edward Dewey	Montpelier, Vt.
Isaac Randall Doane	Bakersfield, Vt.
Dean Spencer Drake	West Lebanon, N. H.
Stephen Farrar Dunn	Woonsocket, R. I.
George W. Eddy	Schuylerville, N. Y.
William Warren Ferrin	Portsmouth, N. H.
Rowe France	Whitehall, N. Y.
Stillman Proctor Grout	Cavendish, Vt.
Joseph Bernard Guiltman	Bennington, Vt.
Jesse Louis Gammons	Brooklyn, N. Y.
Rev. Nathaniel William Hankemeyer, A. B.	Winooski, Vt.
Deforest Clinton Jarvis	Burlington, Vt.

Edwin Francis Jones.....	Burlington, Vt.
Linwood Major Kelley.....	Richford, Vt.
Harry H. Kenney.....	Brooklyn, N. Y.
Edward Cloyd Kistler.....	Blaine, Pa.
Fred Joseph LaFleur.....	Providence, R. I.
William Franklin LeMaire.....	Taunton, Mass.
James Francis Lawlor.....	East Douglas, Mass.
Arthur Leo Larnier.....	Burlington, Vt.
George Eugene Latour.....	Burlington, Vt.
Robert Henry Lee.....	Dorset, Vt.
Lothair Lewis Leonard.....	Montpelier, Vt.
James Parker MacDowell.....	Penn Yan, N. Y.
Herbert Sawyer McCasland.....	Redford, N. Y.
Flurence William McCarthy.....	East Dickenson, N. Y.
Edward Robert Benedict McGee.....	Berlin, N. H.
Patrick Joseph McKenzie.....	Burlington, Vt.
Roy Sidney Morse, Ph. B.....	Montpelier, Vt.
W. W. Nichols.....	Rutland, Vt.
Daniel Joseph Nolan.....	Burlington, Vt.
Daniel Vincent O'Donnell.....	Bennington, Vt.
George Bernard O'Connell.....	Auburn, Me.
John Lyman Potter.....	Island Pond, Vt.
Charles Norman Perkins.....	Burlington, Vt.
Willis Staats Pomeroy.....	Voorhees, N. Y.
Charles Ai Pratt.....	Franklin Center, Vt.
Vernon George Rand.....	Burlington, Vt.
William Edson Ross.....	Franklin Falls, N. H.
Harry Richard Ryan.....	Rutland, Vt.
Delano Richmond Ryder.....	Marion, Mass.
Otis White Sedgwick.....	Bondsville, Mass.
Charles Edward Stearns.....	Blackstone, Mass.
William Stewart.....	Oneonta, N. Y.
Eulick Francis Sullivan.....	Three Rivers, Mass.
Francis Albert Taylor.....	New York City, N. Y.
Ernest Albert Taylor.....	Lunenburg, Vt.
John Wilson Trask.....	Lynn, Mass.
Harry Wallace Trask.....	Worcester, Mass.
Arthur Wallace Winch.....	Barre, Vt.
Urban Weldon.....	Cohoes, N. Y.

University of Vermont.

Instruction is given in the UNIVERSITY in—

I. The Course of Liberal Arts, which is the usual Collegiate Course in the Languages, ancient and modern, Mathematics, Physical Science, Mental, Moral and Political Philosophy, Rhetoric, Literature and History; leading to the Degrees of Bachelor of Arts and Bachelor of Philosophy.

II. The Courses required (1) by the Morrill Act of 1892, which provides that instruction be given not only in "Classical and other scientific studies," but especially in "Branches of learning relating to Agriculture and the Mechanical Arts," and (2) by the Endowment Act of 1890, which provides for instruction in "Agriculture, the Mechanic Arts, the English Language, and the various branches of mathematical, physical, natural and economical sciences, with special reference to their application in the industries of life." These courses are:

1. A Course in Civil and Sanitary Engineering.
2. A Course in Theoretical and Applied Chemistry.
3. A Course in Agriculture.
4. A Course in Mechanic Arts.
5. A Course in Electrical Engineering.

III. A new Department of Commerce and Economics has been recently added, designed to comprise specialized courses in economics, commercial geography, commercial law, the history of industrial development, statistics, and to some extent the details of industrial processes and business operations and methods, such as book-keeping, banking, and financiering. The Department is open to those who have successfully completed for two years any of the courses in the University of Vermont (or their equivalents in other institutions) which include French, German and History.

Candidates may be admitted without examination if they bring certificates from reputable Preparatory Schools whose courses of study fully meet the requirements for admission, but students so admitted are on probation during the first year.

A Course preparatory to the study of Medicine, embracing from two to three years, is offered, the particulars of which will be furnished on application.

All the courses in the Academic and Scientific Departments are open to young women upon the same conditions as to young men. The young women are required to room and board in private families approved by the Faculty.

Scholarships, cancelling tuition, have been established for the benefit of young men of limited means, in the Academical Department.

The University enjoys unusual facilities for securing employment for students in the Engineering Department, both during the course and after its completion.

The Chemical Laboratory affords the amplest facilities for analytical work. Medical students, or persons who intend to engage in Pharmacy, may take a special Laboratory Course.

Furnished dormitories are rented to Academical students at from \$18 to \$20 per annum, including care. Table board may be had for \$2.50 to \$3.00 per week.

For further information or catalogue, address

M. H. BUCKHAM, President.

